BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P.Bengaluru-64

Original/Duplicate

APPROVED SCHEDULE-'B'

NAME OF THE WORK : Detailed Estimate for the work of Improvements to roads and drains at A Sector main and cross roads in ward no -04.

SI	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification	cum	400.80	137.80	Rupees One Hundred Thirty Seven And Paise Eighty Only
2	Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M	cum	400.80	82.13	Rupees Eighty Two And Paise Thirteen Only
3	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications.	cum	336.30	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.	sqm	1681.50	36.04	Rupees Thirty Six And Paise Four Only

Signature Of The Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Executive Engineer
Yelahanka Division
BBMP Bangaluru 64

BENGALURU-560 010

	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
5	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	10233.00	5.30	Rupees Five And Paise Thirty Only
6	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	cum	399.38	7721.04	Rupees Seven Thousand Seven Hundred Twenty One And Paise Four Only
7	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	sqm	11634.00	14.84	Rupees Fourteen And Paise Eighty Four Only
8	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4 % VG-30 BitumenItem No.21.22.6)	cum	465.36	8980.32	Rupees Eight Thousand Nine Hundred Eighty And Paise Thirty Two Only
9	Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications.	sqm	420.60	454.74	Rupees Four Hundred Fifty Four And Paise Seventy Four Only

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